

LOG OF MEETING

MEETING OF:

Underwriters Laboratories, Inc. (UL)
Technical Advisory Panel (TAP) for
Carbon Monoxide Detector

DATE OF MEETING: April 1, 1997

LOCATION OF MEETING: Doubletree Hotel Park Terrace
1515 Rhode Island Avenue
Washington, DC 20005

LOG ENTRY SOURCE: Elizabeth W. Leland, EC

ATTENDEES:

Commission Staff

Ronald L. Medford, EXHR
Elizabeth W. Leland, EC
Sandy Inkster, EHHE
Marcia Robins, EC
Sharon White, ESHF
Tim Johnson, U.S. Department of
Transportation
(on behalf of CPSC ES staff)

UL Staff

Paul Patty
Jim Beyreis
Lou Chavez
Isaac Papier
Linda Phinney-George

Members of UL TAP

Pat Coughlin, International
Association of Fire Chiefs
Mark Devine, BRK Brands, Inc./First Alert
Steve Ernst, Nighthawk Industries, Inc.
Morrie Farbman, Illinois Fire Chiefs
Association
Mark K. Goldstein, Quantum Group, Inc.
Daryl Hosler, Southern California Gas Co.
Trevor Perera, International Approval
Services
James Ranfone, American Gas Association
Rick Salzman, Kingston, NY Fire Dept.
Frank Stanonik, Gas Appliance
Manufacturers Assn.
Kazumi Unno, Figaro, Inc.
Jack Weizeorick, Association of Home
Appliance Manufacturers Inc.
Ted Williams, Gas Research Institute
Tom Wisniewski, MTI, Inc.

Guests and Visitors, Including:

Wendy Gifford, BRK Brands, Inc./First
Alert

Steve deJaray, AIM Safety, Inc.

Ken Perkins, Gas Detection Industry Assn.

Irwin Billick, WEC Consulting

Fabio Almeida, American Sensors

SUMMARY OF MEETING:

The purpose of the meeting was to discuss suggested changes to the standard for residential CO detectors: UL 2034. (See attached agenda for the meeting). CPSC staff had provided recommendations to UL for revision in October 1996 and International Approval Services had provided recommendations to UL in August 1996. The suggested changes to UL 2034 had been published for comment by UL in December 1996, with comments due to UL by February 14, 1997. The April 1 meeting provided an opportunity for members of the TAP to provide guidance and advice to UL in determining whether to revise UL 2034.

Among the topics discussed in detail at the TAP meeting were: warning signal, must-alarm test points, false-alarm-resist test points, and glossary and scope. Some discussion ensued about markings and installation instructions. Other topics on the agenda were not able to be fully addressed by the TAP because of time constraints. There appeared to be consensus that the warning signal should be eliminated, that an additional must-alarm test point should be added to ensure that consumers were protected against exposure to CO levels below 100 ppm for a time period that could lead to a 10 percent COHb levels; that the long-term low level false-alarm-resist test point should be changed to 30 ppm for 30 days and that there should be a change in the short-term false-alarm-resist test point. UL proposed that from henceforth the standard refer to "CO alarms" rather than "CO detectors."

UL staff indicated that a meeting report would be provided by the end of May. UL also indicated that a bulletin describing proposed changes to the standard would be published for comment, with a 6- to 8-week comment period. The proposed changes would be developed on the basis of the comments received at the TAP meeting. Once UL received comments on the published bulletin, a decision would be made as to whether to revise the standard. UL staff indicated that it was possible that a revised standard could be available in mid-summer 1997. The revised standard would include an effective date, yet to be determined.

SUMMARY OF TOPICS

The following topics will be discussed at the meeting:

1. Meeting Objective
2. Comments in Response to the UL 2034 Bulletin Dated December 6, 1996
3. Suggested Changes to UL 2034 -- See Attachment A

CO Sensing Technology

PPM Test Points Versus COHb Curve Concept

Current Practice

Warning Signal (Non-Emergency, Un-Healthy)

Sensitivity Test, Table 38.1

Scope

Glossary

Marking/Installation Instructions

Sensitivity Test

Stability Test

Selectivity Test

Humidity (Low)

Manufacturing and Production Tests

Miscellaneous Changes to Paragraphs 3.2, 13.1, 13.4(b), 35.3, 37.3.1, 37.3.2, and 37.3.5, Related to Changes to NFPA 720

4. CGA 6.19 Meeting